

REMARKS

Receipt of the Office Action of April 11, 2007 is gratefully acknowledged.

Claims 8 - 13 are presented for examination. As a result, claims 12 and 13 are objected to but indicated as containing allowable subject matter, while claims 8 - 11 are rejected under 35 USC 102(b) by Brydon (5,686,930).

Regarding claims 12 and 13 these claims have been placed in independent form as new claims 14 and 15. Claims 14 and 15 are believed, therefore, to be in allowable form. Regarding the rejection of claims 8 - 11, the rejection has been carefully considered and is accordingly respectfully traversed.

In applying Brydon, the examiner states that the reflective sheet 16 is metal. It is not, Col. 3, lines 22 - 28, disclose that the reflective sheet 16 is a woven fabric. The examiner also states that the block 19 is a machinable material. It may be, but claim 8 requires that the front surface of the block of machinable material be machined. Brydon does not teach this feature. The machined front surface according to claim 8 receives the metal reflective sheet. A machined surface is understood by those in the art as a surface that has material removed so that a certain surface condition, of curvature, for example, can be achieved. There is no teaching in Brydon that the surface that receives the reflective sheet 16 is machined at all. Another distinction is that claim 8 defines a ground antenna, whereas Brydon discloses an ultra lightweight space or satellite antenna.

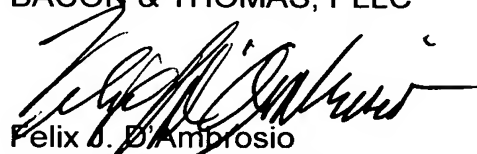
Also, the antenna reflector panel of claim 8 is formed as a reinforcing element. In Brydon, separate reinforcing elements are provided. See Figs. 3 and 4.

Because of these many differences, claims 8 - 11 cannot be anticipated under 35 USC 102, according to which all the elements must be the same. Here they are not.

In view of the foregoing, reconsideration and re-examination are respectfully requested and claims 8 - 1 be indicated as being allowed along with new claims 14 and 15

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Respectfully submitted,
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